PATENT ABSTRACTS OF JAPAN

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(71)Applicant:

HITACHI LTD

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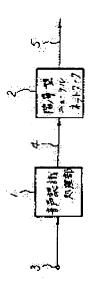
ICHIKAWA HIROSHI

(54) VOICE RECOGNIZING DEVICE

(57)Abstract:

PURPOSE: To improve the voice recognition accuracy and to reduce the burden of a language processing part by providing a post-processing part for selecting, deleting, adding and correcting a recognition candidate.

CONSTITUTION: The title device consists of a voice recognition processing part 1 for inputting an input voice 3 which a speaker has uttered and outputting a recognition result candidate sequence 4, and a hierarchical neural network 2 for inputting the recognition result candidate sequence 4 and outputting a correction recognition result 5. Also, by providing an output unit corresponding to an omission and an insertion on an output layer of the neural network 2, even when there are the omission and the insertion in the recognition result candidate sequence, the corresponding output pattern (teacher pattern) is shown on the output layer. Accordingly, in what kind of state the omission and the insertion are generated can be learned in the neural network 2. In such a way, a voice recognition result having high accuracy is obtained, and also, the burden of a language processing part can be reduced.



LEGAL STATUS

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[Date of extinction of right]

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とができ、精楽として新鮮度の資产級難結果が得られるとともに、新疆巡邏部の負担を乾減できるという効果がある。

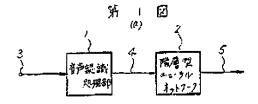
4. 図面の簡単な説明

第1回は本発明の一実統例を説明する例。第2 図は第1回の中の関層型ニューラルネントワーク の構成例。第3回は第2國の財剤型ニューラルネ ツトワークの入方層の設明図、第4 堅は第2 図の 階層製ニューラルネツトワークの出力器の製明図、 第5回は、第2 図の報剤型ニューラルネントワークの学習方法の説明図、第6 図は時間開闢を 入力できる入力期の説明阅、第7 図は本後側を用いて は本発明を用いて構成したオンライン地話サービ スクステムの提成図である。

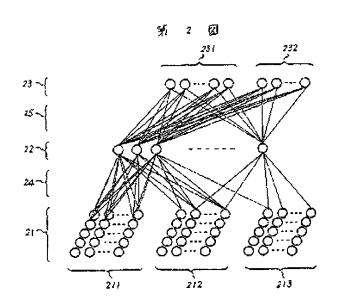
1 … 新声器裁処理部、2 … 階別版ニューラルネツトワーク、8 … 学習制御部、2 1 … 入力期、2 2 … 中間層、2 3 … 出力層。

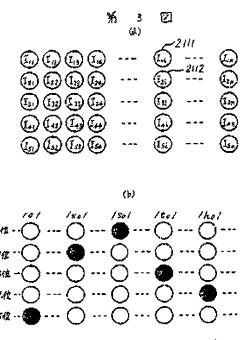
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特開平2-14000(6)



(b)





特爾平2-14000(7)

